

Center for Advanced Infrastructure & Transportation Rutgers, The State University of New Jersey QUARTERLY PROGRESS REPORT

| Project Title: New Jersey State LTAP Technol | New Jersey State LTAP Technology Transfer Center (FHWA) 2008 | | | | | | |
|--|--|--|--|--|--|--|--|
| RFP NUMBER: | NJDOT RESEARCH PROJECT MANAGER: W. Lad Szalaj | | | | | | |
| TASK ORDER NUMBER: 223 / 4-23049 | PRINCIPAL INVESTIGATOR: Dr. Ali Maher | | | | | | |
| Project Starting Date: 01/01/2008 Original Project Ending Date: 12/31/2008 | Period Covered: 1st Quarter 2008 | | | | | | |

| Task | Task | % of Total | Fixe | ed Budget | % of Task | C | Cost this | % of Task to | Tot | al cost to |
|------|---|------------|------|-----------|--------------|----|-----------|--------------|-----|------------|
| # | | | | | this quarter | | juarter | date | | date |
| 1 | Mobilization | 0.00% | (| 0.00% | 0.00% | \$ | - | 0.00% | \$ | - |
| 2 | Maintain Contact Lists | 3.18% | \$ | 6,828 | 25.00% | \$ | 1,707 | 25.00% | \$ | 1,707 |
| 3 | Publish Newsletter | 8.74% | \$ | 18,791 | 25.00% | \$ | 4,698 | 25.00% | \$ | 4,698 |
| 4 | Distribute Technology Transfer Materials | 3.75% | \$ | 8,064 | 25.00% | \$ | 2,016 | 25.00% | \$ | 2,016 |
| 5 | Provide Information Service | 16.00% | \$ | 34,414 | 25.00% | \$ | 8,604 | 25.00% | \$ | 8,604 |
| 6 | Provide Training Courses | 53.45% | \$ | 114,918 | 35.00% | \$ | 40,221 | 35.00% | \$ | 40,221 |
| 7 | Evaluate Effectiveness of Program | 5.81% | \$ | 12,481 | 25.00% | \$ | 3,120 | 25.00% | \$ | 3,120 |
| 8 | Special Projects | 9.07% | \$ | 19,504 | 25.00% | \$ | 4,876 | 25.00% | \$ | 4,876 |
| 9 | | 0.00% | | | 0.00% | \$ | - | 0.00% | \$ | - |
| 10 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 11 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | • |
| 12 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 13 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 14 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 15 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 16 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 17 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 18 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 19 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 20 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| | TOTAL | 100.00% | \$ | 215,000 | | \$ | 65,242 | | \$ | 65,242 |

Blue text is entered once at the beginning of the project

Green text is updated ever quarter

Black text is automatically updated or static



Project Objectives:

The New Jersey Local Technical Assistance Program (LTAP) has a mission to become an information clearinghouse to foster a safe, efficient, environmentally sound transportation system by improving the skills and knowledge of the transportation industry through technology transfer activities, such as training, technical assistance and dissemination of resources.

The objectives of this project are to continue to diversify and expand the customer base, deliver quality customer service, communicate the program values to partners and clients, and enhance the technology transfer network, through the activities of the New Jersey Local Technical Assistance Program (LTAP).

Project Abstract:

The New Jersey Local Technical Assistance Program (LTAP) will continue to maintain mailing lists, publish a monthly newsletter, provide technical assistance, provide training, and evaluate the effectiveness of the program on an ongoing basis throughout the project.

The technology transfer services of LTAP have been expanded to support the transportation industry through the promotion of best practices, new research, products, and proven technologies that are applicable to New Jersey roadways.

Center Name: New Jersey LTAP
Reporting Period: January 1, 2008 to March 31, 2008

Program Dashboard

| Total number of training sessions: | <u>37</u> |
|------------------------------------|----------------|
| Total number of participants: | <u>1,882</u> |
| Total number of participant hours: | <u> 13,406</u> |
| Total newsletter circulation: | <u>11,160</u> |
| Total number of LTAP/TTAP FTEs: | <u>2.5</u> |

Training Data

Safety

The Safety metric is divided into 2 categories: Highway Safety and Worker/Workplace Safety. Count the training your center conducted or had responsibility for conducting, such as training cosponsored with a partner.

Worker/Workplace Safety

| Session Name | Session | Total # of Sessions | | To | ital # of pai | ticipants | | Total # of | Total Participant Hours | |
|--|-------------------|------------------------|-------|--------|---------------|-----------|-------|--------------|-------------------------------|--|
| Session Maine | Length [hours] | | Local | Tribal | State | Federal | Other | Participants | | |
| Hazards Associated w/Fertilizers, Insecticides, | | , | 10 | | | | | | 0.5 | |
| Herbicides | 2.5 | 1 | 10 | | | | | 10 | 25 | |
| Grounds Maintenance Safety | 2.5 | 1 | 10 | | | | | 10 | 25 | |
| TOTAL | 5 | 2 | 20 | | | | | 20 | 50 | |

Highway Safety

| Session Name | Session Length | Total # of | | Tota | al # of parti | icipants | | Total # of | Total Participant |
|--|-------------------|------------|-------|--------|---------------|----------|-------|--------------|----------------------|
| Session Name | [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Hours |
| Work Zone Safety Awareness | | | | | | | | | |
| Program | 6 | 5 | 12 | | 41 | | 95 | 108 | 648 |
| Traffic Control Coordinator Program | 32 | 7 | | | | | 189 | 189 | 6,048 |
| Road Safety Audit Train-the-Trainer | 7 | 2 | 25 | | 13 | 2 | 20 | 60 | 420 |
| Traffic Control Coordinator Refresher | 4 | 1 | 10 | | | | | 10 | 40 |
| Work Zone Safety NJ Specific | 4 | 1 | 10 | | | | | 10 | 40 |
| Municipal Engineering Construction Inspection Work Zone Safety | 2 | 2 | 53 | | | | | 53 | 106 |
| | 3 | 1 | 20 | | 6 | | 10 | 36 | 108 |
| MUTCD Update | ა | l | 20 | | U | | 10 | 30 | 100 |
| TOTAL | 58 | 19 | 130 | | 20 | 2 | 314 | 506 | 7,650 |



Infrastructure Management

| Cassian Nama | Session | Total # of | | Tota | ıl # of parti | cipants | | Total # of | Total |
|------------------|-------------------|------------|-------|--------|---------------|---------|-------|--------------|----------------------|
| Session Name | Length [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Participant Hours |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | | | | | | | |
| Program Asphalt | • | | | | | | | | 400 |
| Construction | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | _ | | | | | | | | |
| Program Concrete | 3 | 2 | 53 | | | |] | 53 | 159 |
| Municipal | | | | | | |] | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | |] | | |
| Inspection | | | | | | | | | |
| Program | | | | | | | | | |
| Underground | | | | | | | | | |
| Conduit | | | | | | | | | |
| Construction | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | | | | | | | |
| Program Soils | 3 | 2 | 62 | | | | | 62 | 186 |
| Asphalt Roads: | | | | | | | | | |
| Common | | | | | | | | | |
| Maintenance | | | | | | | | | |
| Problems | 2.5 | 1 | 10 | | | | | 10 | 25 |
| Drainage | | | | | | | | | |
| Maintenance; The | | | | | | | | | |
| Key To Roads | | | | | | | | | |
| That Last | 2.5 | 1 | 10 | | | | | 10 | 25 |
| NJDEP Update for | | | | | | | | | |
| Public Works | 3 | 1 | 23 | | | | | 23 | 69 |
| Introduction to | | | | | | | | | |
| Streetscapes | 3 | 1 | 10 | | | |] | 10 | 30 |
| Landscape | | | | | | | | | |
| Restoration | 3 | 1 | 10 | | | |] | 10 | 30 |
| NJ Rutgers | | - | | | | | | | |
| Asphalt Paving | | | | | | |] | | |
| Conference | 6 | 2 | 600 | | | |] | 600 | 3,600 |
| Transit Oriented | | _ | | | | | 1 | | 2,000 |
| Development | 2 | 1 | | | 15 | | 43 | 58 | 116 |
| Congestion | | • | | | | | | | |
| Pricing | 2 | 1 | | | 19 | | 76 | 95 | 190 |
| TOTAL | | | | | | | | | 1.00 |
| IOIAL | 34 | 17 | 902 | | 34 | | 119 | 1,055 | 4,802 |



Workforce Development

| Session Name | Session | Total # of | | Tota | ıl # of parti | cipants | | Total # of | Total |
|--|-------------------|------------|------------|--------|---------------|---------|-------|--------------|----------------------|
| Session Name | Length [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Participant Hours |
| Municipal Engineering Construction Inspection Program Contract | | | | | | | | | |
| Documents | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal Engineering Construction Inspection Program Public | 1.5 | 2 | 5 2 | | | | | 5 2 | 70.5 |
| Relations Municipal | 1.5 | | 53 | | | | | 53 | 79.5 |
| Engineering Construction Inspection Program Regulatory | _ | | . | | | | | 50 | 005 |
| Agencies | 5 | 2 | 53 | | | | | 53 | 265 |
| Municipal Engineering Construction Inspection Program Inspection Records and | | | | | | | | | |
| Duties | 3 | 2 | 62 | | | | | 62 | 186 |
| Systems Thinking Workshop | 6 | 1 | 18 | | | | | 18 | 108 |
| Municipal Engineering Construction Inspection Program Local Government | 1.5 | 2 | 53 | | | | | 53 | 79.5 |
| TOTAL | | | | | | | | | |
| _ | 20 | 11 | 301 | | | | | 301 | 904 |

Newsletter / Published Resources Data

Circulation

| Name of | Circulation | | | | | | | |
|---------------|-------------|--------|-------|---------|-------|--|--|--|
| Newsletter | Local | Tribal | State | Federal | Other | | | |
| Just the CAIT | 1,898 | 8 | 924 | 161 | 729 | | | |
| LTAP FAX | | | | | | | | |

Number of Articles per Focus Area

| Noveletter Issue | | Safety | | Workforce | Infrastructure Management | |
|------------------|---------|--------|-----------|-------------|------------------------------|--|
| Newsletter Issue | Highway | Worker | Work Zone | Development | | |
| Volume 9, | 1 | 1 | 1 | 2 | 2 | |
| Number 10 | 1 | 1 | 1 | 3 | 2 | |
| Volume 9, | 1 | 1 | 1 | 2 | 2 | |
| Number 11 | 1 | 1 | 1 | 2 | 2 | |
| Volume 9, | 2 | 1 | 1 | 2 | 2 | |
| Number 12 | 2 | 1 | 1 | 2 | | |

Materials Distribution Data

| Material Types | | Safety | | Workforce | Infrastructure |
|-----------------|---------|--------|-----------|-------------|----------------|
| Material Types | Highway | Worker | Work Zone | Development | Management |
| Publications | 1,080 | 40 | 1,706 | 53 | 475 |
| CDs | | | | | 45 |
| Videotapes | | | | | |
| DVDs | | | | | |
| Downloads | | | | | |
| Others [insert] | | 350 | 100 | | |
| TOTAL: | 1,080 | 390 | 1,806 | 53 | 520 |

Technical Assistance Data

Estimate the total percentage of time spent by your Center staff providing technical assistance during the past quarter: 30%

Activities Related to Program Stakeholders

| Activities | | | | | | | | | |
|---|---|--|--|---|---|--|--|--|--|
| # of times center distributed information for this organization (mail, e-mail, fax, etc.) | # of joint training sessions | # of joint conferences | # of joint special programs | # of articles reprinted in LTAP/TTAP newsletters from this organization | # of center staff participating in national program efforts | | | | |
| | Nat | ional Stakehol | ders | | | | | | |
| 4 | 2 | | | 3 | 1 | | | | |
| | | | | 1 | | | | | |
| 1 | | | | 1 | 1 | | | | |
| | | | | 4 | 1 | | | | |
| 2 | | | | 1 | 1 | | | | |
| | | | | | | | | | |
| | State | /Local Stakeho | olders | | | | | | |
| | | | | | 2 | | | | |
| 1 | | | | | 3 | | | | |
| | | | | | | | | | |
| | | | 1 | | 2 | | | | |
| 4 | 1 | | 1 | | 2 | | | | |
| 1 | 2 | | | | 1 | | | | |
| | center distributed information for this organization (mail, e-mail, fax, etc.) 4 1 2 | center distributed information for this organization (mail, e-mail, fax, etc.) Nat 4 2 State 1 1 1 | # of times center distributed information for this organization (mail, e-mail, fax, etc.) National Stakehol 2 State/Local Stakehol 1 1 1 | # of times center distributed information for this organization (mail, e-mail, fax, etc.) National Stakeholders 1 State/Local Stakeholders 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | # of times center center distributed information for this organization (mail, e-mail, fax, etc.) National Stakeholders A 2 3 1 1 1 1 State/Local Stakeholders # of joint training sessions weekside programs organization programs and programs organization with sorganization organization | | | | |



| NJ Society of Municipal Engineers | , | | | | 3 |
|---|---|--|---|---|---|
| NJ Div of Highway Traffic Safety | 3 | | | | 2 |
| NJ Asphalt Pavement Assoc. | 3 | | 1 | | 1 |
| NJ WZS Partnership | 3 | | | 2 | 2 |

- 1. Progress this quarter by task, with specific deliverables:
 - A. Maintain Contact Lists
- The contact list database was updated to include updated addresses for 2008 New Jersey county engineers, public works departments and current New Jersey Chapter APWA members.

Revisions/Deletions Ongoing

- B. Publish Newsletter
- 3,720 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.

Volume 10, Number 1

Volume 10, Number 2

Volume 10, Number 3

January 2008

February 2008

March 2008

- C. Distribute Technology Transfer Materials
- 3,549 technical materials were distributed this quarter.

NJDOT Work Zone Safety Setup Guide

Pavement Distress Identification Guide

New MUTCD Retro-reflectivity Requirements

January - March 2008

February 2008

February-March 2008

D. Provide an Information Service

Technical Assistance Ongoing
NLTAPA Executive Committee Meeting January 12-13, 2008



| NLTAPA General Meeting | January 12, 2008 |
|--|-------------------|
| Transportation Research Board Presentation | January 15, 2008 |
| TRB Tech Transfer Committee Meeting | January 16, 2008 |
| NJ Work Zone Safety Partnership Meeting | January 17, 2008 |
| NACE Meeting | January 18, 2008 |
| NJ LTAP Stakeholder Meeting | February 1, 2008 |
| NJ Police Traffic Officers Meeting | February 6, 2008 |
| NJDHTS Safe Passages Committee Meeting | February 8, 2008 |
| NLTAPA Executive Committee Meeting | February 11, 2008 |
| NJ Work Zone Safety Partnership Meeting | February 21, 2008 |
| APWA NJ Executive Committee | February 28, 2008 |
| NJ Rutgers Asphalt Paving Conference | March 3-4, 2008 |
| NLTAPA Executive Committee Meeting | March 10, 2008 |
| County and Municipal Traffic Engineers Meeting | March 11, 2008 |
| NJ Work Zone Safety Partnership Meeting | March 25, 2008 |
| APWA NJ Executive Committee Meeting | March 26, 2008 |
| | |

E. Training

| Municipal Engineering Construction Inspection Part 1 | January 16, 2008 |
|--|-------------------------------|
| NJDEP Update for Public Works | January 17, 2008 |
| Systems Thinking Workshop | January 18, 2008 |
| Work Zone Safety Awareness Program | January 18, 2008 |
| Traffic Control Coordinator | January 22-25, 2008 |
| Municipal Engineering Construction Inspection Part 1 | January 23, 2008 |
| Traffic Control Coordinator | January 29 - February 1, 2008 |
| Municipal Engineering Construction Inspection Part 1 | January 30, 2008 |
| Work Zone Safety Awareness Program | February 4, 2008 |
| Traffic Control Coordinator | February 5-8, 2008 |
| Traffic Control Coordinator | February 12-15, 2008 |
| Municipal Engineering Construction Inspection Part 2 | February 13, 2008 |
| Municipal Engineering Construction Inspection Part 2 | February 20, 2008 |
| Congestion Pricing | February 20, 2008 |
| Transit Oriented Development | February 20, 2008 |
| Municipal Engineering Construction Inspection Part 2 | February 27, 2008 |
| Work Zone Safety Awareness Program | February 29, 2008 |
| Municipal Engineering Construction Inspection Part 1 | March 5, 2008 |
| Road Safety Audit Train the Trainer | March 6 & 7, 2008 |
| Work Zone Safety Awareness Program | March 10, 2008 |
| MUTCD Update | March 11, 2008 |
| Traffic Control Coordinator | March 11-14, 2008 |
| Municipal Engineering Construction Inspection Part 1 | March 12, 2008 |
| Traffic Control Coordinator | March 17-20, 2008 |
| Hazards Associated w/Fertilizers, Insecticides, Herbicides | March 17, 2008 |
| | |



| Grounds Maintenance Safety | March 17, 2008 |
|--|---------------------|
| Municipal Engineering Construction Inspection Part 1 | March 19, 2008 |
| Drainage Maintenance: The Key to Roads that Last | March 20, 2008 |
| Asphalt Roads: Common Maintenance Problems | March 20, 2008 |
| Traffic Control Coordinator | March 25-28, 2008 |
| Road Safety Audit Train the Trainer | March 26 & 27, 2008 |
| Municipal Engineering Construction Inspection Part 2 | March 26, 2008 |
| Introduction to Streetscapes | March 27, 2008 |
| Landscape Restoration | March 27, 2008 |
| Work Zone Safety Awareness Program | March 31, 2008 |
| Traffic Control Refresher | March 31, 2008 |
| Work Zone Safety NJ Specific | March 31, 2008 |
| F. Evaluate the Effectiveness of the Program | |

Course Evaluations Ongoing

Stakeholder Meeting February 1, 2008 January – March 2008 Quarterly Report March 2008

G. Special Projects

| TRB Presentation on Technology Transfer | January 2008 |
|---|--------------------|
| Draft of 2006Implementation Study Results | January 2008 |
| Interviews with NJDOT Research Customers | January-March 2008 |

2. Proposed activities for next quarter by task:

A. Maintain Contact Lists

- The mail list will be continually be updated on an as needed basis.

B. Publish Newsletter

- The NJ LTAP newsletter will remain on a monthly publishing schedule.

C. Distribute Technology Transfer Materials

- Technology transfer materials will be distributed during training programs, and by request. The lending library is always available.

D. Provide Information Service



- Technical assistance will be provided in response to any inquiries made via telephone, fax, or e-mail.
- NJ LTAP staff will attend the Region One LTAP Meeting April 8-9 in Rhode Island.
- NJ LTAP staff will attend the 9th Annual New Jersey Work Zone Safety Conference April 10, 2008.
- NJLTAP staff will exhibit at the Annual Public Works Expo April 22, 2008.
- NJLTAP staff will make a presentation at the New Jersey TransAction Conference April 3, 2008.
- NJ LTAP staff will continue to serve as Representative of Region One to the National LTAP Association, as Chair of the Association's Internal Communications Workgroup, and on the NLTAPA Clearinghouse Committee.
- NJ LTAP staff will continue to serve on various committees of professional organizations.

E. Provide Training Courses

- Training programs are scheduled for the next quarter in the following areas:

Municipal Engineering Construction Inspection Program
Traffic Control Coordinator Program
Work Zone Safety Awareness Program
Road Scholar One Program
Road Scholar Two Program
Traffic Engineering
Transportation/Infrastructure Seminars

F. Evaluate Effectiveness of Program

- Evaluations will continue to be distributed at each program.
- A Stakeholder Committee meeting will be held in June 2008.
- A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.

G. Special Projects



- Attend NJDOT Research Project Quarterly Meetings
- Interviews with NJDOT Research customers
- Draft of 2004 and 2005 Implementation Study results
- 4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

5. Problems/Proposed Solutions:

| Total Project Budget | \$215,000 |
|------------------------------------|-----------|
| Modified Contract Amount: | \$ |
| Total Project Expenditure to date | \$65,242 |
| % of Total Project Budget Expended | 30.35% |

| NJDOT Research Project Manager Concurrence: | Date: |
|---|-------|



QUARTERLY PROGRESS REPORT

| QUARTERET TROOKESS REFORT | | | | | | | | |
|---------------------------|---|--|--|--|--|--|--|--|
| Project Title: | New Jersey State LTAP Technology Transfer Center (STATE) 2008 | | | | | | | |
| RFP NUMBER | BER: NJDOT RESEARCH PROJECT MANAGE | | | | | | | |
| | | W. Lad Szalaj | | | | | | |
| TASK ORDER | | PRINCIPAL INVESTIGATOR: | | | | | | |
| TO 223 4-2072 | 25 | Dr. Ali Maher | | | | | | |
| | Date: 01/01/2008 | Period Covered: 1 st Quarter 2008 | | | | | | |
| Original Project | et Ending Date: 12/31/2008 | | | | | | | |
| Modified Com | pletion Date: | | | | | | | |

| Task | Task | % of Total | Fixe | ed Budget | % of Task | C | ost this | % of Task to | Tot | al cost to |
|------|---|------------|------|-----------|--------------|----|----------|--------------|-----|------------|
| # | | | | | this quarter | q | uarter | date | | date |
| 1 | Mobilization | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 2 | Literature Search | 0.00% | | | 0.00% | \$ | - | 0.00% | \$ | - |
| 3 | Maintain Contact Lists | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 4 | Publish Newsletter | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 5 | Distribute Technology Transfer Materials | 0.84% | \$ | 504 | 0.00% | \$ | - | 0.00% | \$ | - |
| 6 | Provide Information Service | 31.77% | \$ | 19,062 | 25.00% | \$ | 4,766 | 25.00% | \$ | 4,766 |
| 7 | Provide Training Courses | 33.04% | \$ | 19,827 | 25.00% | \$ | 4,957 | 25.00% | \$ | 4,957 |
| 8 | Evaluate the Effectiveness of Program | 1.19% | \$ | 712 | 25.00% | \$ | 178 | 25.00% | \$ | 178 |
| 9 | Special Projects | 33.16% | \$ | 19,895 | 40.00% | \$ | 7,958 | 40.00% | \$ | 7,958 |
| 10 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 11 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | = |
| 12 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 13 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 14 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 15 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 16 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 17 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 18 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 19 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| 20 | | 0.00% | \$ | - | 0.00% | \$ | - | 0.00% | \$ | - |
| | TOTAL | 100.00% | \$ | 60,000 | | \$ | 17,859 | | \$ | 17,859 |

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Project Objectives:

The New Jersey Local Technical Assistance Program (LTAP) has a mission to become an information clearinghouse to foster a safe, efficient, environmentally sound transportation system by improving the skills and knowledge of the transportation industry through technology transfer activities, such as training, technical assistance and dissemination of resources.

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Training Data

Safety

The Safety metric is divided into 2 categories: Highway Safety and Worker/Workplace Safety. Count the training your center conducted or had responsibility for conducting, such as training cosponsored with a partner.

Worker/Workplace Safety

| Session Name | Total # of | | To | Total # of | Total Participant | | | | |
|--|-------------------|----------|-------|------------|----------------------|---------|-------|--------------|-------|
| Session Maine | Length [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Hours |
| Hazards Associated w/Fertilizers, Insecticides, | | , | 10 | | | | | | 0.5 |
| Herbicides | 2.5 | 1 | 10 | | | | | 10 | 25 |
| Grounds Maintenance Safety | 2.5 | 1 | 10 | | | | | 10 | 25 |
| TOTAL | 5 | 2 | 20 | | | | | 20 | 50 |

Highway Safety

| Session Name | Session Length | Total # of | | | | | | Total # of | Total Participant |
|-------------------------------------|-------------------|------------|-------|--------|-------|---------|-------|--------------|----------------------|
| Session Name | [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Hours |
| Work Zone Safety Awareness | | | | | | | | | |
| Program | 6 | 5 | 12 | | 41 | | 95 | 108 | 648 |
| Traffic Control | | | | | | | | | |
| Coordinator | 00 | _ | | | | | 400 | 400 | 0.040 |
| Program | 32 | 7 | | | | | 189 | 189 | 6,048 |
| Road Safety Audit Train-the-Trainer | 7 | 2 | 25 | | 13 | 2 | 20 | 60 | 420 |
| Traffic Control | , | | 20 | | 10 | | 20 | 00 | 720 |
| Coordinator | | | | | | | | | |
| Refresher | 4 | 1 | 10 | | | | | 10 | 40 |
| Work Zone Safety NJ Specific | 4 | 1 | 10 | | | | | 10 | 40 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection Work Zone Safety | 2 | 2 | 53 | | | | | 53 | 106 |
| | 3 | 1 | 20 | | 6 | | 10 | 36 | 108 |
| MUTCD Update | 3 | l l | 20 | | U | | 10 | 30 | 100 |
| TOTAL | 58 | 19 | 130 | | 20 | 2 | 314 | 506 | 7,650 |



Infrastructure Management

| Cassian Nama | Session | Total # of | Total # of participants | | | | | Total # of | Total |
|------------------|-------------------|------------|-------------------------|--------|-------|---------|-------|--------------|----------------------|
| Session Name | Length [hours] | Sessions | Local | Tribal | State | Federal | Other | Participants | Participant Hours |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | | | | | | | |
| Program Asphalt | | | | | | | | | 400 |
| Construction | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | | | | | | | 450 |
| Program Concrete | 3 | 2 | 53 | | | | | 53 | 159 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | | | | | | | |
| Program | | | | | | | | | |
| Underground | | | | | | | | | |
| Conduit | | | -00 | | | | | 00 | 400 |
| Construction | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal | | | | | | | | | |
| Engineering | | | | | | | | | |
| Construction | | | | | | | | | |
| Inspection | | | 00 | | | | | 00 | 400 |
| Program Soils | 3 | 2 | 62 | | | | | 62 | 186 |
| Asphalt Roads: | | | | | | | | | |
| Common | | | | | | | | | |
| Maintenance | | | | | | | | | |
| Problems | 2.5 | 1 | 10 | | | | | 10 | 25 |
| Drainage | | | | | | | | | |
| Maintenance; The | | | | | | | | | |
| Key To Roads | | _ | | | | | | | |
| That Last | 2.5 | 1 | 10 | | | | | 10 | 25 |
| NJDEP Update for | _ | _ | | | | | | | |
| Public Works | 3 | 1 | 23 | | | | | 23 | 69 |
| Introduction to | | | 4.0 | | | | | 4.0 | |
| Streetscapes | 3 | 1 | 10 | | | | | 10 | 30 |
| Landscape | | | 40 | | | | | 40 | |
| Restoration | 3 | 1 | 10 | | | | | 10 | 30 |
| NJ Rutgers | | | | | | | | | |
| Asphalt Paving | | | 000 | | | | | 000 | 0.000 |
| Conference | 6 | 2 | 600 | | | | | 600 | 3,600 |
| Transit Oriented | _ | , | | | 4- | | 40 | 5 0 | 440 |
| Development | 2 | 1 | | | 15 | | 43 | 58 | 116 |
| Congestion | | | | | 4.0 | | | <u> </u> | 400 |
| Pricing | 2 | 1 | | | 19 | | 76 | 95 | 190 |
| TOTAL | 34 | 17 | 902 | | 34 | | 119 | 1,055 | 4,802 |



Workforce Development

| Municipal Engineering Construction Inspection Program Public Relations Fall (State State Sta | Cassian Nama | Session | Total # of | | Tota | ıl # of parti | cipants | | Total # of | Total Participant Hours |
|--|--|---------|------------|-------|--------|---------------|---------|-------|--------------|-------------------------------|
| Engineering Construction Inspection Program Contract Documents 3 2 62 62 186 | Session Name | | Sessions | Local | Tribal | State | Federal | Other | Participants | |
| Documents 3 | Engineering Construction Inspection | | | | | | | | | |
| Engineering Construction Inspection Program Public Relations 1.5 2 53 53 79.5 | | 3 | 2 | 62 | | | | | 62 | 186 |
| Municipal Engineering Construction Inspection Program Regulatory Agencies 5 2 53 265 Municipal Engineering Construction Inspection Program Inspection Program Inspection Records and Duties 3 2 62 186 Systems Thinking Workshop 6 1 18 18 108 Municipal Engineering Construction Inspection Program Local Government 1.5 2 53 79.5 | Engineering Construction Inspection Program Public | | | | | | | | | |
| Engineering Construction Inspection Program Regulatory Agencies 5 2 53 53 265 | | 1.5 | 2 | 53 | | | | | 53 | 79.5 |
| Municipal Engineering Construction Inspection Program Inspection Records and Duties 3 2 62 186 Systems Thinking Workshop 6 1 18 18 108 Municipal Engineering Construction Inspection Program Local Government 1.5 2 53 79.5 | Engineering Construction Inspection Program Regulatory | 5 | 2 | 53 | | | | | 53 | 265 |
| Systems Thinking 6 1 18 18 108 Municipal Engineering Construction Inspection Program Local Government 1.5 2 53 53 79.5 | Municipal Engineering Construction Inspection Program Inspection Records and | | | | | | | | | |
| Workshop 6 1 18 18 108 Municipal Engineering Construction Inspection Program Local Government 1.5 2 53 79.5 | | 3 | 2 | 62 | | | | | 62 | 186 |
| Engineering Construction Inspection Program Local Government 1.5 2 53 53 79.5 | Workshop | 6 | 1 | 18 | | | | | 18 | 108 |
| TOTAL | Engineering Construction Inspection Program Local | 1.5 | 2 | 53 | | | | | 53 | 79.5 |
| | | 20 | 11 | 301 | | | | | 301 | 904 |

Newsletter / Published Resources Data

Circulation

| Name of | Circulation | | | | | |
|---------------|-------------|--------|-------|---------|-------|--|
| Newsletter | Local | Tribal | State | Federal | Other | |
| Just the CAIT | 1,898 | 8 | 924 | 161 | 729 | |
| LTAP FAX | | | | | | |

Number of Articles per Focus Area

| Newsletter Issue | | Safety | Workforce | Infrastructure | |
|------------------|---------|--------|-----------|----------------|------------|
| newsietter issue | Highway | Worker | Work Zone | Development | Management |
| Volume 9, | 1 | 1 | 1 | 2 | 2 |
| Number 10 | 1 | 1 | 1 | 3 | 2 |
| Volume 9, | 1 | 1 | 1 | 2 | 2 |
| Number 11 | 1 | 1 | 1 | 2 | 2 |
| Volume 9, | 2 | 1 | 1 | 2 | 2 |
| Number 12 | 2 | 1 | 1 | 2 | 2 |

Materials Distribution Data

| Motorial Types | | Safety | | Workforce | Infrastructure | |
|-----------------|---------|--------|-----------|-------------|----------------|--|
| Material Types | Highway | Worker | Work Zone | Development | Management | |
| Publications | 1,080 | 40 | 1,706 | 53 | 475 | |
| CDs | | | | | 45 | |
| Videotapes | | | | | | |
| DVDs | | | | | | |
| Downloads | | | | | | |
| Others [insert] | | 350 | 100 | | | |
| TOTAL: | 1,080 | 390 | 1,806 | 53 | 520 | |

Technical Assistance Data

Estimate the total percentage of time spent by your Center staff providing technical assistance during the past quarter: 30%

Activities Related to Program Stakeholders

| Organization | rganization Activities | | | | | |
|---|---|------------------------------------|---------------------------|-----------------------------------|--|--|
| | # of times center distributed information for this organization (mail, e-mail, fax, etc.) | # of joint training sessions | # of joint conferences | # of joint special programs | # of articles reprinted in LTAP/TTAP newsletters from this organization | # of center staff participating in national program efforts |
| | | Nat | ional Stakehol | ders | | |
| FHWA (HQ, Resource Center) | 4 | 2 | | | 3 | 1 |
| AASHTO | | | | | 1 | |
| NACE | 1 | | | | 1 | 1 |
| APWA | | | | | 4 | 1 |
| TRB | 2 | | | | 1 | 1 |
| Salt Institute | | | | | | |
| | | State | /Local Stakeho | olders | | |
| FHWA Division | | | | | | 2 |
| State DOT/govt | 1 | | | | | 3 |
| AASHTO Chapter | | | | | | |
| NACE Chapter | | | | 1 | | 2 |
| APWA Chapter | 4 | 1 | | 1 | | 2 |
| ITE | 1 | 2 | | | | 1 |
| | | C | Other Stakeholde | rs | | |
| NJ Society of Municipal Engineers | | | | | | 3 |
| NJ Div of Highway Traffic Safety | 3 | | | | | 2 |
| NJ Asphalt Pavement Assoc. | 3 | | | 1 | | 1 |
| NJ WZS Partnership | 3 | | | | 2 | 2 |

1. Progress this quarter by task, with specific deliverables:

A. Maintain Contact Lists

The contact list database was updated to include updated addresses for 2008 New Jersey county engineers, public works departments and current New Jersey Chapter APWA members.

Revisions/Deletions Ongoing

B. Publish Newsletter

3,720 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.

| Volume 10, Number 1 | January 2008 |
|---------------------|---------------|
| Volume 10, Number 2 | February 2008 |
| Volume 10, Number 3 | March 2008 |

C. Distribute Technology Transfer Materials

3,549 technical materials were distributed this quarter.

| NJDOT Work Zone Safety Setup Guide | January - March 2008 |
|---|----------------------|
| Pavement Distress Identification Guide | February 2008 |
| New MUTCD Retro-reflectivity Requirements | February-March 2008 |

D. Provide an Information Service

| Technical Assistance | Ongoing |
|--|---------------------|
| NLTAPA Executive Committee Meeting | January 12-13, 2008 |
| NLTAPA General Meeting | January 12, 2008 |
| Transportation Research Board Presentation | January 15, 2008 |
| TRB Tech Transfer Committee Meeting | January 16, 2008 |
| NJ Work Zone Safety Partnership Meeting | January 17, 2008 |
| NACE Meeting | January 18, 2008 |
| NJ LTAP Stakeholder Meeting | February 1, 2008 |
| NJ Police Traffic Officers Meeting | February 6, 2008 |
| NJDHTS Safe Passages Committee Meeting | February 8, 2008 |
| NLTAPA Executive Committee Meeting | February 11, 2008 |
| NJ Work Zone Safety Partnership Meeting | February 21, 2008 |
| APWA NJ Executive Committee | February 28, 2008 |
| NJ Rutgers Asphalt Paving Conference | March 3-4, 2008 |
| | |



| NLTAPA Executive Committee Meeting | March 10, 2008 |
|--|----------------|
| County and Municipal Traffic Engineers Meeting | March 11, 2008 |
| NJ Work Zone Safety Partnership Meeting | March 25, 2008 |
| APWA NJ Executive Committee Meeting | March 26, 2008 |

E. Training

| Municipal Engineering Construction Inspection Part 1 NJDEP Update for Public Works Systems Thinking Workshop Work Zone Safety Awareness Program Traffic Control Coordinator Municipal Engineering Construction Inspection Part 1 Traffic Control Coordinator Municipal Engineering Construction Inspection Part 1 Work Zone Safety Awareness Program Traffic Control Coordinator Traffic Control Coordinator Municipal Engineering Construction Inspection Part 2 Municipal Engineering Construction Inspection Part 2 Congestion Pricing Transit Oriented Development Municipal Engineering Construction Inspection Part 2 Work Zone Safety Awareness Program Municipal Engineering Construction Inspection Part 1 Road Safety Audit Train the Trainer Work Zone Safety Awareness Program MUTCD Update Traffic Control Coordinator Municipal Engineering Construction Inspection Part 1 Traffic Control Coordinator Hazards Associated w/Fertilizers, Insecticides, Herbicides Grounds Maintenance Safety Municipal Engineering Construction Inspection Part 1 Drainage Maintenance: The Key to Roads that Last Asphalt Roads: Common Maintenance Problems Traffic Control Coordinator Road Safety Audit Train the Trainer Municipal Engineering Construction Inspection Part 2 Introduction to Streetscapes | January 16, 2008 January 17, 2008 January 18, 2008 January 18, 2008 January 22-25, 2008 January 23, 2008 January 29 - February 1, 2008 January 30, 2008 February 4, 2008 February 5-8, 2008 February 12-15, 2008 February 20, 2008 February 20, 2008 February 20, 2008 February 27, 2008 February 29, 2008 February 29, 2008 March 5, 2008 March 5, 2008 March 10, 2008 March 11, 2008 March 11-14, 2008 March 17, 2008 March 17, 2008 March 17, 2008 March 17, 2008 March 19, 2008 March 20, 2008 March 20, 2008 March 20, 2008 March 20, 2008 March 25-28, 2008 March 26, 2008 March 27, 2008 March 26, 2008 March 27, 2008 March 27, 2008 |
|---|--|
| Road Safety Audit Train the Trainer | March 26 & 27, 2008 |
| | |
| Landscape Restoration | March 27, 2008 |
| Work Zone Safety Awareness Program | March 31, 2008 |
| Traffic Control Refresher | March 31, 2008 |
| Work Zone Safety NJ Specific | March 31, 2008 |
| TOTA Zone buiety 130 specific | 1141011 31, 2000 |

F. Evaluate the Effectiveness of the Program

Course Evaluations
Stakeholder Meeting
January – March 2008 Quarterly Report

Ongoing February 1, 2008 March 2008

G. Special Projects

TRB Presentation on Technology Transfer Draft of 2006Implementation Study Results Interviews with NJDOT Research Customers January 2008 January 2008 January-March 2008

2. Proposed activities for next quarter by task:

A. Maintain Contact Lists

- The mail list will be continually be updated on an as needed basis.

B. Publish Newsletter

The NJ LTAP newsletter will remain on a monthly publishing schedule.

C. Distribute Technology Transfer Materials

- Technology transfer materials will be distributed during training programs, and by request. The lending library is always available.

D. Provide Information Service

- Technical assistance will be provided in response to any inquiries made via telephone, fax, or e-mail.
- NJ LTAP staff will attend the Region One LTAP Meeting April 8-9 in Rhode Island.
- NJ LTAP staff will attend the 9th Annual New Jersey Work Zone Safety Conference April 10, 2008.
- NJLTAP staff will exhibit at the Annual Public Works Expo April 22, 2008.
- NJLTAP staff will make a presentation at the New Jersey TransAction Conference April 3, 2008.

- NJ LTAP staff will continue to serve as Representative of Region One to the National LTAP Association, as Chair of the Association's Internal Communications Workgroup, and on the NLTAPA Clearinghouse Committee.
- NJ LTAP staff will continue to serve on various committees of professional organizations.

E. Provide Training Courses

Training programs are scheduled for the next quarter in the following areas:

Municipal Engineering Construction Inspection Program
Traffic Control Coordinator Program
Work Zone Safety Awareness Program
Road Scholar One Program
Road Scholar Two Program
Traffic Engineering
Transportation/Infrastructure Seminars

F. Evaluate Effectiveness of Program

- Evaluations will continue to be distributed at each program.
- A Stakeholder Committee meeting will be held in June 2008.
- A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.

G. Special Projects

- Attend NJDOT Research Project Quarterly Meetings
- Interviews with NJDOT Research customers
- Draft of 2004 and 2005 Implementation Study results
- 4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

5. Problems/Proposed Solutions:

| Total Project Budget | \$60,000 |
|------------------------------------|----------|
| Modified Contract Amount: | |
| Total Project Expenditure to date | \$17,859 |
| % of Total Project Budget Expended | 29.77% |

| NJDOT Research Project Manager Concurrence: Date | e: |
|--|----|
|--|----|